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APPLICATION NO. FILING DATE		DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/519,129	03/06/2	2000	KENJI UEDA	A-346	7895
802	7590	02/14/2003			
	AND WALT		EXAMINER		
310 S.W. FOURTH AVENUE SUITE 1101				ANGEBRANNDT, MARTIN J	
PORTLAND, OR 97204			ART UNIT	PAPER NUMBER	
				1756	13
				DATE MAILED: 02/14/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

•	•	Application No.	(pplicant(s)				
Office Action Summers		09/519,129	UEDA ET AL.				
	Office Action Summary	Examin r	Art Unit				
	The MAN INC. DATE of this communication	Martin J Angebranndt	1756				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).  Status							
1)	Responsive to communication(s) filed on 12 D	December 2002 .					
2a)□	• • • • • • • • • • • • • • • • • • • •	is action is non-final.					
3)□	,						
Disposition of Claims							
4)⊠ Claim(s) <u>1-11</u> is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-11</u> is/are rejected.							
·	Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement.							
Application Papers  O) The appeification is objected to by the Everyiner							
9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.							
If approved, corrected drawings are required in reply to this Office action.							
12) The oath or declaration is objected to by the Examiner.							
Priority under 35 U.S.C. §§ 119 and 120							
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
a) All b) Some * c) None of:							
	1. Certified copies of the priority documents have been received.						
	2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).							
a) ☐ The translation of the foreign language provisional application has been received. 15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.							
Attachment(s)							
2) Notice	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal	y (PTO-413) Paper No(s) Patent Application (PTO-152)				

U.S. Patent and Trademark Office PTO-326 (Rev. 04-01)

1 The response provided by the applicant has been read and given careful consideration. Responses to the arguments offered by the applicant are presented after the first rejection to which they are directed. Rejections of the previous office action not appearing below are withdrawn based upon the arguments and amendments of the applicant.

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- 2 The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action: (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3 Claims 1,(7/1), 8 and (10-11/8) are rejected under 35 U.S.C. 102(b) as being fully anticipated by Brady et al. '546, in view of Keane et al. '932 and Senga et al. '677.

Brady et al. '546 teaches a wafer substrate which is coated with a photoresist (photopolymer) material. The photoresist laminate is precut, with the photoresist sandwiched between a MYLAR and a polyolefin sheet and bonded to a transport tape. The polyolefin layer is removed and the exposed portion of the photoresist is contacted with the wafer and adhered thereto.

Keane et al. '932 teaches that dry resist carrier films come in roll form or may be cut into any shape and stacked.

Senga et al. '677 teaches the serial feeding of sheets containing a photosensitive coating from a cassette. These include photosensitized printing plates (1/38-45)

It would have been obvious to modify the process of Brady et al. '546 to use precut dry resist sheets and feed them in a manner similar to that of Senga et al. '677 to the carrier tape rather than rolls and cut them as in the example to save the cutting step as it is old and well known in the art that the dry resist films are available as stacks of precut sheets as evidenced by Keane et al. '932.

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The limitations of claims 10 and 11 are considered intended use as the means are described as means for handling these films and the films are not described as part of the apparatus. The examiner holds that the semiconductor/silicon substrates described inherently are able to function as supports for holographic recording materials.

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The applicant argues that the iterative feeding of the sheets is not taught by the reference as a backing tape is used. The examiner holds that the claims currently embrace the example of the reference as it feeds the resist decals cut from the sheets iteratively/repeatedly via the carrier tape and the Keane et al. '932 and Senga et al. '677 references teach stacked photosensitive sheets with Keane et al. '932 specifically establishing that precut stacks of these are old and recognized alternatives to the roll form.

4 Claims 1,(7/1), 8 and (10-11)/8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Brady et al. '546 combined with Keane et al. '932 and Senga et al. '677, further in view of Ueda JP 09-054539 and Smith et al. '778.

Ueda JP 09-054539 teaches holographic dry plates which comprise either a supporting film, a photopolymeric holographic recording medium, a substrate, a tacky adhesive layer and a light absorption film or a supporting film, a photopolymeric holographic recording medium, a substrate, a light absorbing adhesive film and a substrate. The peeling of the separator from the photosensitive layer and the support and contacting it with one side of a support and peeling the separator from a tacky adhesive layer and light absorption film and contacting it with the other side of the support is disclosed. (abstract).

Smith et al. '778 teaches that for dry film resists various materials may be used as supports and that these supports may be provided with antihalation, anchor or adhesive layers.

The examiner holds that the limitations of claims 10 and 11 are considered intended use as the means are described as means for handling these films and the films are not described as

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part of the apparatus, but anticipates the possibility that the applicant will add the film as part of the apparatus limitations.

It would have been obvious to one skilled in the art to use the means disclosed by Brady et al. '546 combined with Keane et al. '932 and Senga et al. '677 in the process of Ueda JP 09-054539 with a reasonable expectation of achieving the desired result based upon the disclosed functionality within the photoresist handling art and with the advantage of continuous processing and upon the teaching within Smith et al. '778 that the use of adhesive, anchor or antihalation layers is desirable for use with dry resist materials.

The rejection stands for the reasons provided above without further comment as no further arguments were directed at this rejection.

Claims 1,2,(7/1,2), 8-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Brady et al. '546 combined with Keane et al. '932 and Senga et al. '677, in view of Garber '221 and Platzer et al. '873.

Garber '221 teaches the lamination of photoresist material in a vertical orientation and cutting of the film to fit. The benefit of the more vertical orientation is that the resist is applied without wrinkles or the like.

Platzer et al. '873 teaches an apparatus for peeling carrier films from photoresists and the like which require little horizontal space and does not require the use of an adhesive tape or element to perform the peeling. (2/67-3/5).

It would have been obvious to one skilled in the art to use the means disclosed by Garber '221 and Platzer et al. '873 in place of those used in the process of Brady et al. '546 combined with Keane et al. '932 and Senga et al. '677 based upon the disclosure of equivalent function and the reduced space requirements and wrinkling disclosed as advantages or to use orient the peeling and lamination apparatus of Brady et al. '546 combined with Keane et al. '932 and

Senga et al. '677 to gain the advantages attributed to this orientation by Garber '221 and Platzer et al. '873.

The rejection stands for the reasons provided above without further comment as no further arguments were directed at this rejection.

Claims 1-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Brady et al. '546 combined with Keane et al. '932, Senga et al. '677, Garber '221 and Platzer et al. '873, further in view of Ueda JP 09-054539 and Smith et al. '778

The examiner holds that the limitations of claims 10 and 11 are considered intended use as the means are described as means for handling these films and the films are not described as part of the apparatus, but anticipates the possibility that the applicant will add the film as part of the apparatus limitations.

It would have been obvious to one skilled in the art to use the means disclosed by Brady et al. '546 as modified by Keane et al. '932, Senga et al. '677, Garber '221 and Platzer et al. '873 in the process of Ueda JP 09-054539 with a reasonable expectation of achieving the desired result based upon the disclosed functionality within the photoresist handling art and with the advantage of continuous processing and upon the teaching within Smith et al. '778 that the use of adhesive, anchor or antihalation layers is desirable for use with dry resist materials.

The rejection stands for the reasons provided above without further comment as no further arguments were directed at this rejection.

7 The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Myeck et al. '079 teaches the lamination of individual sheets of dry resist to substrates.

8 Any inquiry concerning this communication or earlier communications from the examiner should be directed to Martin Angebranndt whose telephone number is (703) 308-4397.

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I am normally available between 7:30 AM and 5:00 PM, Monday through Thursday and 7:30 AM and 4:00 PM on alternate Fridays.

If repeated attempts to reach me are unsuccessful, my supervisor may be reached at (703) 308-2464.

Facsimile correspondence should be directed to (703) 872-9311.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-0661.

Martin/J. Angebranndt

Primary Examiner, Group 1750

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February 12, 2003